



Department of Transportation (MCDOT)

Director's Report – June 19, 2018

- **MCDOT Director Absent - Chinquapin, Mill Creek Park; Upper & Middle Reservoir Safety Rules:** Please excuse the Director's absence today, as I am attending a one-day California Office of Emergency Services (Cal OES) and Federal Emergency Management Agency (FEMA) grant subapplication development training in the hope of obtaining a \$150,000 (maximum) planning grant under our local or multi-jurisdictional hazard mitigation plan.

In February 2017, the emergency at the Oroville Dam forced massive evacuations of residents living downstream. Under the glaring attention of this near-failure incident, the importance of robust and thoughtful dam safety programs across the U.S. has never been more marked. According to the FEMA National Dam Safety Program (NDSP) Strategic Plan (2012), only about 55 percent of high-hazard dams in the U.S. have an Emergency Action Plan (EAP).

Last summer, Senate Bill 92 added new statutes that require owners of dams, other than low hazard dams, to prepare inundation maps for dams and their critical appurtenant structures. The California Department of Water Resources, Division of Safety of Dams (DSOD) adopted emergency regulations to establish standards for inundation maps. DSOD reviews and approves inundation maps and the Governor's Cal OES reviews and approves EAPs that contain approved inundation maps.

An EAP has two distinct components: a planning document and inundation maps. The planning document defines responsibilities, institutes a response process, including establishment of quantitative conditions for the assessment and determination of level of emergency, and assures preparedness through EAP training and exercising. It also provides an emergency notification flow chart to facilitate communication. The inundation maps aid emergency response by providing focus to areas that would be significantly impacted if a dam breach occurs.

MCDOT must now prepare Request for Proposals (RFPs) for the inundation maps for each of the dams under County responsibility – Chinquapin, Mill Creek Park Upper & Middle Reservoir(s). If the map shows at risk structures, we then must move forward with EAP development. If, however, the map indicates no risk to structures and flows within the main channel (which we may find with the smaller Middle Mill Creek Dam), then we must submit the map to DSOD and request that they revisit the assigned hazard classification. If we can get the hazard classification down to a low hazard, then an EAP would not be required. An EAP requires annual updates and training, and therefore, the burden on dam owners is not a single one-time expense.

MCDOT anticipates we will need to hire qualified engineers to do the work – Maps and EPAs, if required, are budgeted at \$200,000 in Budget Unit 1910 this year and we have hopes of the \$150,000 planning grant offsetting the cost, leaving a \$50,000 cost to the County.

- **2017 Road System Fire Recovery Effort:** MCDOT staff has been performing site reviews with staff from the California Emergency Management Agency (Cal EMA) and FEMA. It will cost approximately \$2 million for Category "A" (Debris Removal) and "C" (Permanent Repair) list sites this year and will be financed using normal material operating funds. Reimbursement is expected to be somewhere in the range of 75% to 93.75%.

Mendocino County's Federal Highway Administration Agency (FHWA) eligible "on system" roads have six fire-related damage sites, and the process of notification and application is ongoing. These six sites have an estimated repair cost of approximately \$1.5 million, which will also be financed using normal material operating funds. Reimbursement of 88.53% is expected.

All six FHWA-ER **2017 Fire** sites are listed below:

East Road, County Road (CR) 230	Milepost (MP) 3.18	Culvert Wing Wall - Guardrail
East Road, CR 230	MP 0.00 to MP 5.27	21 Cubic Yards Digouts
West Road, CR 237	MP 0.21 to MP 2.32	29,700 Square Yards CIP
West Road, CR 237	MP 3.60	Guardrail
North State Street, CR 104	MP 6.59 to MP 7.27	350 Cubic Yards Digouts
Eastside Potter Valley Road, CR 240	MP 0.00 to MP 2.41	5,800 Cubic Yards Digouts

There is one Category "A" Cal EMA/FEMA **2017 Fire** Project

The project involves the falling, selective removal and treatment of associated slash and debris of approximately 330 dead fire-damaged trees that present a safety hazard to the general public as a result of the Redwood Fire. The estimated cost of removal and treatment is \$2 million.

The trees have been marked with a white numbered tag with the Mendocino County Department of Transportation. Trees so marked that are on private property will not be cut unless the owner agrees, and letters to property owners are going out at this time. Trees marked otherwise are NOT part of this project. Trees will be felled and left in-place, cut as prescribed for adjacent property owner use, chipped and broadcast in place or felled and removed to a permitted site, but in no case, will any vegetative material be disposed of at a landfill.

There are seventeen Category "C" Cal EMA/FEMA **2017 Fire** sites are listed below:

Tomki Road, CR 237D	MP 0.65 and 0.69	Culvert(s) Replacement
Tomki Road, CR 237D	MP 0.63 and 1.09	Guardrail(s) Fence Replacement
Tomki Road, CR 237D	Redwood Valley	7,000 Cubic Yards Digouts
	MP 0.00 to 2.21	28,530 Square Yards Chipseals
	MP 2.43 to 2.50	920 Square Yards Chipseals
	MP 3.80 to 4.75	12,260 Square Yards Chipseals
Road I, CR 234		1,190 Cubic yards Digouts
Road J, CR 235		2,260 Cubic Yards Digouts
Mountain View Lane, CR 237H		180 Cubic Yards Digouts
Mohawk Trail, CR 237G		190 Cubic Yards Digouts
Inez Way, CR 237F		130 Cubic Yards Digouts
Rancheria Road, CR 237A (Ukiah)		930 Cubic Yards Digouts
Main Street Potter Valley, CR 245		365 Cubic Yards Digouts
Westside Potter Valley Road, CR 248		45 Cubic Yards Digouts
Hawn Creek Road, CR 245A		84 Cubic Yards Digouts
Eel River Road, CR 240B		236 Cubic Yards Digouts
Gibson Lane, CR 246		520 Cubic Yards Digouts
Power House Road, CR 248		130 Cubic Yards Digouts
Busch Lane, CR 247		1,070 Cubic Yards Digouts
North Busch Road, CR 247A		30 Cubic Yards Digouts

Total Road Damage Repair estimate \$2.33 million.

The estimated total Fire damage to the County Maintained Road System is approximately \$5.83 million. MCDOT office staff has been working very hard to ensure that Mendocino County receives all the emergency funds that we qualify for.

- **2016-2017 Storm Recovery Effort:** MCDOT staff has been performing site reviews with staff from the California Emergency Management Agency (Cal EMA) and the Federal Emergency Management Agency (FEMA). It will cost approximately \$8.3 million to restore the most critical "B" (protective measures) and "C" (permanent repair) list sites this year and will be financed using normal material operating funds. Reimbursement is expected to be somewhere in the range of 75% to 93.75%.

Mendocino County's Federal Highway Administration Agency (FHWA) eligible "on system" roads have approximately nine storm-related damage sites, and the process of notification and application is ongoing. These nine sites (three from 2016) have an estimated repair cost of approximately \$3.5 million, which will also be financed using normal material operating funds. Reimbursement of 88.53% is expected.

All ten FHWA-ER **2016-17** sites are listed below:

Main Street, Mendocino, CR 407E	MP 0.03	Construct 2019
Branscomb Road, CR 429	MP 17.21 and 21.50	Under Construction 2018
Comptche Ukiah/Orr Springs Road, CR 223	MP 17.25 and 39.20	Under Construction 2018
Mountain View Road, CR 510	MP 17.21, 14.50, 16.62 and 22.02	Construct 2019
Bell Springs Road, CR 324	MP 17.70	Construct 2019

All thirty-four Cal EMA/FEMA **2017** sites are listed below:

Peachland Road, CR 128	MP 0.95	Under Construction 2018
Peachland Road, CR 128	MP 0.35 and 1.14	Construct 2019
Eel River Road, CR 240B	MP 7.85 and 8.10	Construct 2019
Shimmins Ridge Road, CR 310B	MP 2.70	Construction 2018
Albion Little River Road, CR 403	MP 0.35	Construction 2019
Laytonville Dos Rios Road, CR 322	MP 0.99 and 1.01	Construction 2018
Laytonville Dos Rios Road, CR 322	MP 4.19, 5.22, 6.15, 3.34 and 3.66	Construct 2019
Low Gap Road, CR 212	MP 19.40	Construct 2019
Pine Ridge Road, CR 220	MP 4.52 and 5.30	Construct 2019
Primrose Drive, CR 604	MP 3.40 and 3.80	Construct 2019
Peacock Drive, CR 619	MP 0.45	Construct 2019
Mallard Street, CR 621	MP 0.10	Construct 2019
Robinson Creek Road, CR 125	MP 1.52	Construct 2019
Blue Lake Terrace, CR 671A	MP 0.50	Construct 2019
Fish Rock Road, CR 122	MP 17.35, 5.95 and 19.10	Construct 2019
Blackhawk Drive, CR 371	MP 2.00	Construct 2019
Nokomis Road, CR 117	MP 0.10	Construct 2019
Old Toll Road, CR 108	MP 3.31 and 3.33	Construct 2019
University Road, CR 116B	MP 3.78	Construct 2019
Marina Drive, CR 226	MP 0.52	Construct 2019
Spy Rock Road, CR 323	MP 8.00	Construct 2019
Poonkinney Road, CR 326	MP 1.46	Construct 2019

The estimated total Storm damage to the County Maintained Road System is approximately \$11.8 million. MCDOT office staff is working very hard to ensure that Mendocino County receives all the emergency funds that we qualify for.